ABSTRACT

The present invention provides a system and method for controlling the position of a motorized throttle assembly. The system includes a controller, a motor, throttle position sensors, driver, and a motor. A pulse width modulator is included in the controller to generate a control signal. The motor driver receives the signal and manipulates the motor to control the position of the throttle based on the signal. The control signal includes a magnitude component corresponding to a change in the throttle position, a direction component corresponding to the direction of the change in the throttle position, and a disable command component providing the ability to disable the motor. All three components are combined in a single signal.